AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method of providing visual caller identification, comprising the steps of:

saving a plurality of directory numbers;

associating a first flashing sequence with the plurality of directory numbers;

receiving a call, the call being associated with a directory number;

querying a database for caller identification information associated with the call;

sending the caller identification information to a caller identification device;

comparing the directory number associated with the call with the plurality of directory numbers;

if one of the plurality of directory numbers matches the directory number associated with the call, ~~displaying a first visual identification indicator~~ then flashing a light according to the first flashing sequence, and displaying the caller identification information associated with the call;

if one of the plurality of directory numbers does not match the directory number associated with the call, ~~displaying a second visual identification indicator~~ then flashing a light according to a second flashing sequence, and displaying the caller identification information associated with the call; and

if no caller identification information associated with the call is obtained during the step of querying a database for caller identification information associated with the call, ~~displaying a third visual identification indicator~~ then flashing a light according to a third flashing sequence, and displaying a message that no caller identification information associated with the call is available.

2-10 (Canceled)

12-29 (Canceled)

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30. (Currently Amended) The method of claim [[8]] 1, wherein displaying a message that no caller identification information associated with the call is available, further includes:

if caller identification information associated with the call is blocked from display, displaying an indication that the call is a private call; and

if caller identification information associated with the call is not located during querying a database for caller identification information associated with the call, displaying an indication that the call is from an unknown calling area.

31-33 (Canceled)

34. (Currently Amended) A method of providing visual caller identification in an Advanced Intelligent Network, including a switch, a service control point and a database of caller identification information, wherein the service control point is functionally connected to the switch, and wherein the method comprises the steps of:

saving a plurality of directory numbers;

associating a first flashing sequence with the plurality of directory numbers;

receiving a call from a calling party at a calling party switch directed to a called party at a called party switch;

sending call information associated with the call to the service control point, the call information including a directory number of the calling party;

at the service control point, querying the database of caller identification information for caller identification information associated with the call;

sending the caller identification information to a called party caller identification device via the called party switch, wherein the caller identification device compares the directory number of the calling party with one or more of the plurality of directory numbers saved by the called party;

if one of the plurality of directory numbers saved by the called party

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matches the directory number of the calling party, ~~displaying a first visual identification indicator~~ then flashing a light according to the first flashing sequence, and displaying the caller identification information associated with the call;

if one of the directory numbers saved by the called party does not match the directory number of the calling party, ~~displaying a second visual identification indicator~~ then flashing a light according to a second flashing sequence, and displaying the caller identification information associated with the call; and

if no caller identification information associated with the call is obtained during the step of querying the database of caller identification information for caller identification information associated with the call, ~~displaying a third visual identification indicator~~ then flashing a light according to a third flashing sequence, and displaying a message that no caller identification information associated with the call is available.

35-43 (Canceled)

44. (Currently Amended) The method of claim [[41]] 34, wherein displaying a message that no caller identification information associated with the call is available, further includes:

if caller identification information associated with the call is blocked from display, displaying an indication that the call is a private call; and

if caller identification information associated with the call is not located during querying a database for caller identification information associated with the call, displaying an indication that the call is from an unknown calling area.

45. (Currently Amended) A system for providing visual caller identification, comprising:

a software module operative

to query a database for caller identification information associated with a call from a calling party to a called party, the call being associated with a directory number;

to send the caller identification information to a caller

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identification device;

the caller identification device, operative

to receive the call;

to store a plurality of directory numbers;

to associate a first flashing sequence with the plurality of directory numbers;

to compare the directory number associated with the call with the plurality of directory numbers;

if one of the plurality of directory numbers matches the directory number associated with the call, ~~to display a first visual identification indicator~~ then to flash a light according to the first flashing sequence, and to display the caller identification information associated with the call;

if one of the plurality of directory numbers does not match the directory number associated with the call, ~~to display a second visual identification indicator~~ then to flash a light according to a second flashing sequence, and to display the caller identification information associated with the call; and

if no caller identification information associated with the call is located during the step of querying a database for caller identification information associated with the call, ~~to display a third visual identification indicator~~ then to flash a light according to a third flashing sequence, and to display a message that no caller identification information associated with the call is available.

46. (Canceled)

47. (Previously Presented) A method of providing visual caller identification, comprising the steps of:

saving a plurality of directory numbers;

saving visual projection information for each of the plurality of directory numbers;

receiving a call at a caller identification device;

querying a database for caller identification information associated with

the call;

sending the caller identification information to a caller identification device;

comparing the directory number associated with the call with the plurality of directory numbers;

if one of the plurality of directory numbers matches the directory number associated with the call, projecting the saved projection information associated with the directory number onto a projection surface; and

if one of the plurality of directory numbers does not match the directory number associated with the call, projecting caller identification information associated with the call onto a projection surface.

48. (Currently Amended) A caller identification device, comprising:

circuitry, operative

to receive a call;

to receive caller identification information associated with the call;

to store a plurality of directory numbers;

to associate a first flashing sequence with the plurality of directory numbers;

to compare the directory number associated with the call with the plurality of directory numbers;

if one of the plurality of directory numbers matches the directory number associated with the call, ~~to display a first visual identification indicatory~~ then to flash a light according to the first flashing sequence, and to display the caller identification information associated with the call;

if one of the plurality of directory numbers does not match the directory number associated with the call, ~~to display a second visual identification indicator~~ then to flash a light according to a second flashing sequence, and to display the caller identification information associated with the call; and

if no caller identification information associated with the call is

located, ~~to display a third visual identification indicator~~ then to flash a light according to a third flashing sequence, and to display a message that no caller identification information associated with the call is available.

49. (Previously Presented) The caller identification device of claim 48, wherein the circuitry comprises a microprocessor and associated programming.

50. (Currently Amended) A method of providing visual caller identification, comprising the steps of:

associating a first flashing sequence with a plurality of directory numbers;

comparing a directory number associated with a call with [[a]] the plurality of directory numbers;

if one of the plurality of directory numbers matches the directory number associated with the call, ~~displaying a first visual identification indicatory~~ then flashing a light according to the first flashing sequence, and displaying the caller identification information associated with the call;

if one of the plurality of directory numbers does not match the directory number associated with the call, ~~displaying a second visual identification indicator~~ then flashing a light according to a second flashing sequence, and displaying the caller identification information associated with the call; and

if no caller identification information associated with the call is located, ~~displaying a third visual identification indicator~~ then flashing a light according to a third flashing sequence, and displaying a message that no caller identification information associated with the call is available.